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FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

December 17, 1993

**EX PARTE**

William F. Caton  
Acting Secretary  
Federal Communications Commission  
Mail Stop 1170  
1919 M Street, N.W., Room 222  
Washington, D.C. 20554

Dear Mr. Caton:

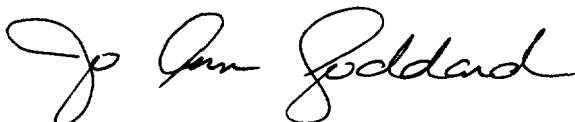
Re: *CC Docket No. 93-162*

On behalf of Pacific Bell, the attached information is being provided in response to a request for information from Carol Canteen of the Tariff Division, Common Carrier Bureau. Please associate this material with the above-referenced proceeding.

Two copies of this notice were submitted to the Secretary of the FCC in accordance with Section 1.1206(a)(1) of the Commission's Rules.

Please stamp and return the provided copy to confirm your receipt. Please contact me should you have any questions or require additional information concerning this matter.

Sincerely,



Attachment

cc: Carol Canteen

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FCC Collocation Data Request - 12/13/93FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

- 1) If there is not a separate charge for cage construction, what are the costs?

In its EIS tariff, Pacific Bell does not have a specific charge for construction of the collocation cage. Costs for the cage are documented in the Direct Case workpapers for the "Interconnector-Specific Construction Function," Appendix E, pages E.5 and E.6 (attached). Page E.5 displays costs for the interconnector licensed space when new ironwork is required all the way from the ceiling. Page E.6 shows these costs when partial ironwork already exists. Cage costs are the same in either case, as shown on line 1 of both pages.

The cage costs displayed are for two cages, reflecting the economies Pacific Bell achieves by building two cages adjacent to one another with a shared wall. The costs on line 1 are divided by two (see line 3) to derive the cage cost for a single collocater.

$$\$4,336.76 / 2 = \$2,168.38$$

\$2,168.38 is the cost for a single cage. It supports, in part, the tariffed rates of \$16,064 (existing ironwork) and \$19,516 (new ironwork). The remainder of the costs supporting these charges are detailed in response to the question below.

- 2) Is there any overlap between the \$3,070.39 charge for "Construction Provisioning" and the \$16,064 tariff charge? What costs are recovered in the \$16,064 charge versus the \$3,070.39?

The \$3,070.39 "charge" is actually an illustrative rate developed to comply with requirements for the Direct Case. It is not a rate element in Pacific Bell's EIS tariff. The \$16,064 charge is a rate element in the tariff. Both the \$16,064 tariff rate (when partial ironwork exists) and the \$19,516 tariff rate (when completely new ironwork is required) include the "Construction Provisioning Function" cost of \$3,070.39. In Pacific Bell's workpapers supporting the original EIS filing (F.1 and F.2, attached), this amount is referred to as "Application Cost" (see line 9). This cost component was unbundled from Pacific Bell's "licensed space set up" rate elements (the \$16,064 and \$19,516) in the Direct Case.

Costs recovered in the licensed space set up charges are detailed in the attached workpapers from the Direct Case. Page D.3 (Direct Case, Appendix D) provides detail for the \$3,070.39 "Construction Provisioning" (or "Application") cost. Pages E.5 and E.6 display cost detail for "Interconnector-Specific Construction." "Interconnector-Specific Construction" costs do not include any of the "Construction Provisioning" costs. These two TRP functional costs, when added together, produce the tariffed license space set up rates of \$16,064 and \$19,516. This is shown on the attached workpapers (lines 4 and 5, Section B - "Central Office Space per 100 Square Feet) from the Direct Case, Appendix S. Page S.1 is an example of a central office where partial ironwork already exists; page S.3 where all new ironwork is required.

## 93-162 WORKPAPERS

**"INTERCONNECTOR-SPECIFIC CONSTRUCTION FUNCTION"****NEW IRONWORK REQUIRED**

Non-Recurring

RATE ELEMENT NAME: Central Office Floor Space per 100 square feet - Partitioned

DESCRIPTION	TOTAL COST
1 Licensed Space Enclosures (2)	\$4,336.76
2 Ironwork/Cable Rack (New Ironwork Required) (1 Building Bay; 2 Spaces)	\$23,422.94
3 Enclosure & Ironwork/Racking per Collocator (Ln 1 + Ln 2)/2)	\$13,879.85
4 AC Outlet	\$337.73
5 Telephone Service Prewire	\$68.34
6 Fire Detection	\$494.38
7 POT Locking Cover	\$1,665.50
8 Total Miscellaneous Costs (Lns 4+5+6+7)	\$2,565.94
9 Total Interconnector-Specific Construction (Ln 3 + Ln 8)	\$16,445.79
10 Illustrative Rate	\$16,445.79
11 Total Building Capital per Space (Ln 1 / 2 + Ln 4 + Ln 5 + Ln 6)	\$3,068.82
12 Total Equipment Capital per Space (Ln 2 / 2 + Ln 7)	\$13,376.97

**Sources**

See Narrative

**NOTE**

These are direct costs.  
No overheads are added to contributed capital  
which is recovered up front.

93-162 WORKPAPERS

"INTERCONNECTOR-SPECIFIC CONSTRUCTION FUNCTION"

**IRONWORK EXISTS**

Non-Recurring

RATE ELEMENT NAME: Central Office Floor Space per 100 square feet - Partitioned

DESCRIPTION	TOTAL COST
1 Licensed Space Enclosures (2)	\$4,336.76
2 Ironwork/Cable Rack (Ironwork Exists) (1 Building Bay; 2 Spaces)	\$16,517.61
3 Enclosure & Ironwork/Racking per Collocator (Ln 1 + Ln 2)/2)	\$10,427.18
4 AC Outlet	\$337.73
5 Telephone Service Prewire	\$68.34
6 Fire Detection	\$494.38
7 POT Locking Cover	\$1,665.50
8 Total Miscellaneous Costs (Lns 4+5+6+7)	\$2,565.94
9 Total Interconnector-Specific Construction (Ln 3 + Ln 8)	\$12,993.12
10 Illustrative Rate	\$12,993.12
11 Total Building Capital per Space (Ln 1 / 2 + Ln 4 + Ln 5 + Ln 6)	\$3,068.82
12 Total Equipment Capital per Space (Ln 2 / 2 + Ln 7)	\$9,924.31

**Sources**

See Narrative

**NOTE**

These are direct costs.  
No overheads are added to contributed capital  
which is recovered up front.

**COLLOCATION WORKPAPERS  
NON RECURRING COSTS FOR  
COLLOCATOR LICENSED SPACE SET UP  
(EXISTING IRON WORK)**

DESCRIPTION	TOTAL COST	SOURCE (COMPANY STUDY)
1 Two Cage Enclosures	\$4,337	Real Estate Management
2 Two Electrical Outlets	\$675	Real Estate Management
3 Two Telephone Service Prewires	\$137	Real Estate Management
4 Two Fire Detectors	\$989	Real Estate Management
5 Iron Work & Cable Racking	\$16,518	Project Team
6 Two Point of Termination Locking Covers	\$3,331	Project Team
7 Cost For One Bay With Two Cages	\$25,986	Sum Lines 1 Through 6
8 Cost for One Bay Per Cage	\$12,993	Line 7 / 2 Cages
9 Application Cost	\$3,070	Project Team
10 Total Cost Per Cage	\$16,064	Line 8 + Line 9
11 Total Building Capital Per Cage	\$3,069	(Sum Lines 1 Through 4) / 2
12 Total Equipment Capital Per Cage	\$9,924	(Sum Lines 5 and 6) / 2

**COLLOCATION WORKPAPERS  
NON RECURRING COSTS FOR  
COLLOCATOR LICENSED SPACE SET UP  
(NEW IRON WORK)**

DESCRIPTION	TOTAL COST	SOURCE (COMPANY STUDY)
1 Two Cage Enclosures	\$4,337	Real Estate Management
2 Two Electrical Outlets	\$675	Real Estate Management
3 Two Telephone Service Prewires	\$137	Real Estate Management
4 Two Fire Detectors	\$989	Real Estate Management
5 Iron Work & Cable Racking	\$23,423	Project Team
6 Two Point of Termination Locking Covers	\$3,331	Project Team
7 Cost For One Bay With Two Cages	\$32,892	Sum Lines 1 Through 6
8 Cost for One Bay Per Cage	\$16,446	Line 7 / 2 Cages
9 Application Cost	\$3,070	Project Team
10 Total Cost Per Cage	\$19,516	Line 8 + Line 9
11 Total Building Capital Per Cage	\$3,069	(Sum Lines 1 Through 4) / 2
12 Total Equipment Capital Per Cage	\$13,377	(Sum Lines 5 and 6) / 2

## 93-162 WORKPAPERS

**"CONSTRUCTION PROVISIONING FUNCTION"****Costs Including Overheads****Non-Recurring****RATE ELEMENT NAME: Central Office Space per 100 square feet - Partitioned**

<b>FUNCTION</b>	<b>(A) HOURS</b>	<b>(B) LABOR RATE (Fully Assgnd)</b>	<b>(C) COST (A*B)</b>	<b>SOURCE</b>
1 Initial Sales Contact	1	\$106.03	\$106.03	<u>Column A</u> Hours for each function are estimates made by Company subject matter experts drawing on experience with similar products or situations. See page __ for a description of each function.
2 Application Coordination	2	\$143.83	\$287.66	
3 Equipment Evaluation	2	\$109.39	\$218.78	
4 CUSTOMER MEETING				
5 Account Manager	2	\$106.03	\$212.06	
6 CO Engineering	4	\$109.39	\$437.56	
7 CPOC*	2	\$100.31	\$200.62	<u>Column B</u> Labor rates are taken from a 1990 Company study. These labor rates are fully assigned, and as such include wages, benefits, and reasonable overhead loadings. See page __ for a description of the loadings and page __ for the portion of each rate which is attributable to loadings.
8 Final Sales Contact	1	\$106.03	\$106.03	
9 FABS Billing	1	\$118.37	\$118.37	
10 Space Assignment (CPOC)	2	\$100.31	\$200.62	
11 Environmental Review	2	\$101.49	\$202.98	
12 CUSTOMER WALKTHROUGH				<u>Column C</u> Col A * Col B
13 Site Manager	2	\$77.16	\$154.32	
14 Account Manager	4	\$106.03	\$424.12	
15 CPOC*	4	\$100.31	\$401.24	
16 TOTAL CONSTRUCTION PROVISIONING COST (Including Overhead)			\$3,070.39	Sum Lines 1 thru 15
17 Direct Cost (See Next Page)			\$2,604.15	
18 Illustrative Rate			\$3,070.39	
19 Rate/Direct Cost			1.18	

\* Collocation Point of Contact

D.3

# RECONCILIATION OF PARTITIONED ELEMENTS WITH UNPARTITIONED ELEMENTS

**CENTRAL OFFICE:** **ANHM01** **217 N. Lemon St., Anaheim**

## A ESTABLISHMENT OF COLLOCATION INFRASTRUCTURE AREA PER C.O. (NON-RECURRING)

	Direct Cost	Rate	SOURCE
<u>Unpartitioned Element</u>	\$36,283	\$37,352	2/16/93 Filing
<u>Partitioned Elements</u>			<u>Lns 1 &amp; 2 For each C.O.:</u>
1 Common Construction, Non-Recurring	\$18,377.10	\$19,445.90	App C, Pgs 119 - 170
2 DC Power Installation, Non-Recurring	\$4,481.22	\$4,481.22	App H, Pgs 121 - 172
3 Security Installation, Non-Recurring	<u>\$13,425.00</u>	<u>\$13,425.00</u>	App M, Pg 67
TOTAL	\$36,283.32	\$37,352.12	Ln 1 + Ln 2 + Ln 3

## B CENTRAL OFFICE SPACE PER 100 SQUARE FEET (NON-RECURRING)

	Direct Cost	Rate	SOURCE
<u>Unpartitioned Element</u>	\$15,597	\$16,064	2/16/93 Filing
<u>Partitioned Elements</u>			
4 Construction Provisioning, Non-Recurring	\$2,604.15	\$3,070.39	App D, Pg 3
5 Interconnector-Specific Constr., Non-Rec.	<u>\$12,993.12</u>	<u>\$12,993.12</u>	App E, Pg 6
TOTAL	\$15,597.27	\$16,063.51	Ln 4 + Ln 5

## C CENTRAL OFFICE SPACE PER 100 SQUARE FEET (RECURRING)

	Direct Cost	Rate	SOURCE
<u>Unpartitioned Element</u>	\$684	\$750	2/16/93 Filing **
<u>Partitioned Elements</u>			<u>For each C.O.:</u>
6 Common Construction, Recurring	\$15.52	\$21.03	App C, Pgs 15 - 66
7 Interconnector-Specific Constr., Rec.	\$64.21	\$86.68	App E, Pg 4
8 Floor Space, Recurring	\$577.74	\$606.19	App F, Pgs 15 - 66
9 DC Power Installation, Recurring	\$14.63	\$19.87	App H, Pgs 15 - 66
10 Security Installation, Recurring	<u>\$12.34</u>	<u>\$16.18</u>	App M, Pgs 15 - 66
TOTAL	\$684.44	\$749.95	Sum Lns 6 thru 10

\*\* Direct Cost = B.2 thru B.52, Ln 20 / 12 \* 130 + B.53 thru B.103, Ln 17 / 12



**RECONCILIATION  
OF PARTITIONED ELEMENTS WITH UNPARTITIONED ELEMENTS**

**CENTRAL OFFICE: BRBN11 280 E. Palm Ave., Burbank**

**A ESTABLISHMENT OF COLLOCATION INFRASTRUCTURE AREA PER C.O.  
(NON-RECURRING)**

	Direct Cost	Rate	SOURCE
<u>Unpartitioned Element</u>	\$24,804	\$25,873	2/16/93 Filing
<u>Partitioned Elements</u>			<u>Lns 1 &amp; 2 For each C.O.:</u>
Common Construction, Non-Recurring	\$13,284.80	\$14,353.60	App C, Pgs 119 - 170
DC Power Installation, Non-Recurring	\$1,105.12	\$1,105.12	App H, Pgs 121 - 172
Security Installation, Non-Recurring	<u>\$10,414.00</u>	<u>\$10,414.00</u>	App M, Pg 67
TOTAL	\$24,803.92	\$25,872.72	Ln 1 + Ln 2 + Ln 3

**B CENTRAL OFFICE SPACE PER 100 SQUARE FEET  
(NON-RECURRING)**

	Direct Cost	Rate	
<u>Unpartitioned Element</u>	\$19,050	\$19,516	2/16/93 Filing
<u>Partitioned Elements</u>			
Construction Provisioning, Non-Recurring	\$2,604.15	\$3,070.39	App D, Pg 3
Interconnector-Specific Constr., Non-Rec.	<u>\$16,445.79</u>	<u>\$16,445.79</u>	App E, Pg 5
TOTAL	\$19,049.94	\$19,516.18	Ln 4 + Ln 5

**C CENTRAL OFFICE SPACE PER 100 SQUARE FEET  
(RECURRING)**

	Direct Cost	Rate	
<u>Unpartitioned Element</u>	\$730	\$795	2/16/93 Filing **
<u>Partitioned Elements</u>			<u>For each C.O.:</u>
Common Construction, Recurring	\$8.15	\$10.97	App C, Pgs 15 - 66
Interconnector-Specific Constr., Rec.	\$82.63	\$111.68	App E, Pg 3
Floor Space, Recurring	\$624.52	\$652.97	App F, Pgs 15 - 66
DC Power Installation, Recurring	\$5.15	\$6.99	App H, Pgs 15 - 66
Security Installation, Recurring	<u>\$9.57</u>	<u>\$12.55</u>	App M, Pgs 15 - 66
TOTAL	\$730.02	\$795.17	Sum Lns 6 thru 10

\*\* Direct Cost = B.2 thru B.52, Ln 20 / 12 \* 130 + B.53 thru B.103, Ln 17 / 12

\*\*\* Line References are to the workpapers for the corresponding function and appropriate C.O.